

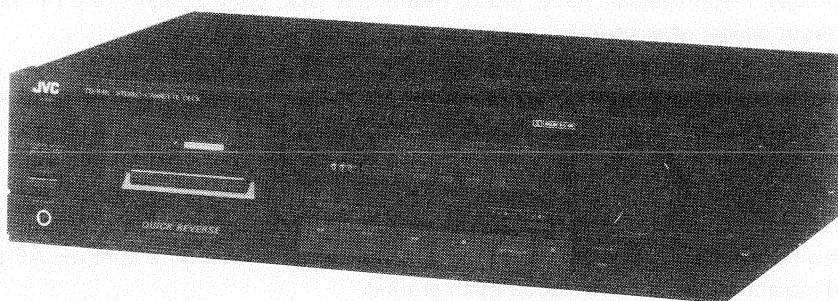
JVC

SERVICE MANUAL

STEREO CASSETTE DECK

TD-R411

A/B/C/E/G/J/U



Area suffix	
A	Australia
B	U.K.
C	Canada
E	Continental Europe
G	W. Germany
J	U.S.A.
U	Other Areas

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1 Safety Precautions

1. The design of this product contains special hardware and may circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by (Δ) on the Schematic Diagram and Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

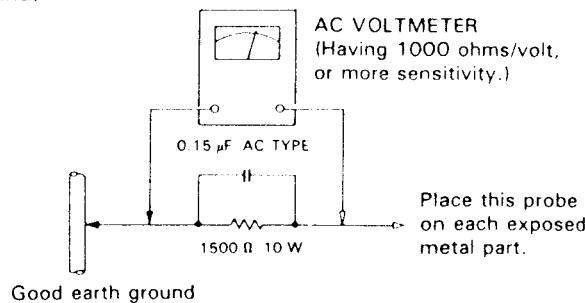
Do not use a line isolation transformer during this check.

 - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
 - Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a $1,500 \Omega$ 10 W resistor paralleled by a $0.15 \mu\text{F}$ AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

2 Features

1. Silent quick-reverse mechanism
2. Dolby* B/C noise reduction system
3. 2-color 6-LED peak level indicator
4. Mechanism mode indicators
5. Auto tape selection mechanism
6. COMPU LINK-1/SYNCHRO terminal

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

* "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

3 Specifications

Type	: Stereo cassette deck
Track system	: 4-track, 2-channel
Tape speed	: 1-7/8 inch/sec (4.8 cm/sec)
Frequency response	: (-20 dB recording) Metal tape; 20-17,000 Hz 30-16,000 Hz (± 3 dB) Chrome tape; 20-16,000 Hz 30-15,000 Hz (± 3 dB) Normal tape; 20-16,000 Hz 30-15,000 Hz (± 3 dB)
S/N ratio	: 58 dB (S = 1 kHz, K3 = 3%, N = A-weighted, Metal tape) The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz -10 kHz with Dolby C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with Dolby B NR on. Improvement of MOL: 4 dB at 10 kHz with Dolby C NR on.
Wow and flutter	: 0.08% (WRMS)
Channel separation	: 40 dB (1 kHz)
Crosstalk	: 60 dB (1 kHz)
Harmonic distortion	: K3; 0.5%, THD; 1.0% (metal tape, 1 kHz, 0 VU)
Heads	: METAPERM head for recording/play-back 2-gap ferrite head for erasure Combination head x 1
Motors	: Electronic governed DC motor for capstan x 1 DC motor for reel x 1 DC motor for mechanism drive x 1

Fast forward/	
Rewind time	: Approx. 100 sec with C-60 cassette
Input terminals	
LINE IN	: Min. input level; 80 mV (x 1 circuit) Input impedance; 50 k Ω
MIC x 2	: Max. sensitivity; 0.4 mV (-68 dBV) (TD-R411A/U) Matching impedance; 600 Ω - 10 k Ω
Output terminals	
LINE OUT	: Output level; 300 mV (x 1 circuit) Output impedance; 600 Ω
PHONES x 1	: Output level; 0.3 mW/8 Ω Matching impedance; 8 Ω - 1 k Ω
Other terminals	: COMPU LINK-1/SYNCHRO x 2
Power requirement	
TD-R411A/B	: AC 240 V, 50/60 Hz
TD-R411C/J	: AC 120 V, 60 Hz
TD-R411E	: AC 220 V, 50/60 Hz
TD-R411U	: AC 230/127/110 V, 50/60 Hz
Power consumption	: With power switch on; 14 W With power switch standby; 1.2 W
Dimensions	: 435 x 112 x 290 mm (17-3/16" x 4-7/16" x 11-7/16")
Weight	: 3.9 kg (8.6 lbs)
Accessories	: Pin plug cord 2 Remote cable 1

Design and specifications are subject to change without notice.

4 Name of Controls and Their Functions

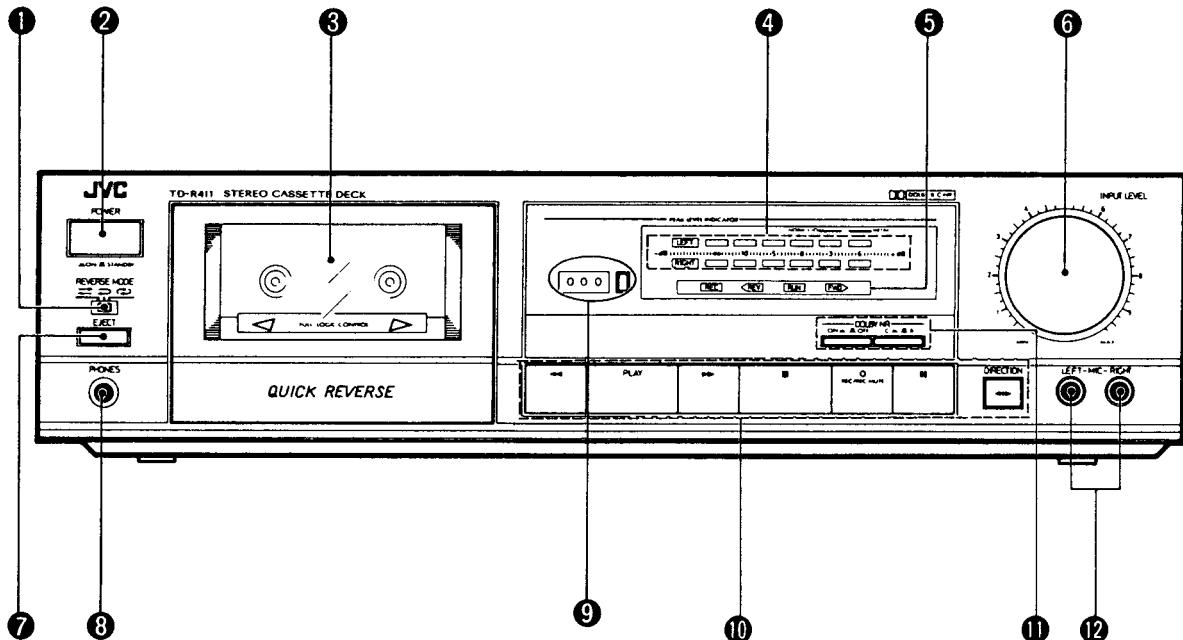


Fig. 4-1

① REVERSE MODE switch

Select the single or full record/playback mode, or the continuous play mode. (See page 25.)

- : For single-side recording or playback.
- : To play or record both sides A and B.
- : To play sides A and B continuously.

② POWER switch

③ Cassette holder

④ PEAK LEVEL indicators

These indicate the recording level during recording and output level during playback. The LED indication varies with the signal strength during recording and playback.

⑤ Mechanism mode indicators

REC : Lights in the recording and record-pause modes; flashes during record muting.

REV : Lights when the tape is running in the reverse direction.

RUN : Flashes when the tape is running.

FWD : Lights when the tape is running in the forward direction.

⑥ INPUT LEVEL control

Adjust the recording level with this control.

⑦ EJECT button

Press to open the cassette holder.

⑧ PHONES jack

Connect headphones (with an impedance of 8Ω to 1kΩ).

⑨ Tape COUNTER and RESET button

⑩ Cassette operation buttons

◀◀ : Press to wind the tape quickly from right to left.
PLAY : Press to start recording/playback.

▶▶ : Press to wind the tape quickly from left to right.

■ (stop) : Press to stop the tape.

○ REC/REC MUTE : Press the PLAY button while pressing this button to start recording, and press to leave an appropriate non-recorded section. (See page 23.)

II (pause) : Press to stop the tape temporarily. Press the PLAY button to release the pause mode. When pressed together with the ○ REC/REC MUTE before recording, the unit will enter the record-pause mode.

◀▶ DIRECTION : Press to change the direction of tape travel.

⑪ DOLBY NR switches

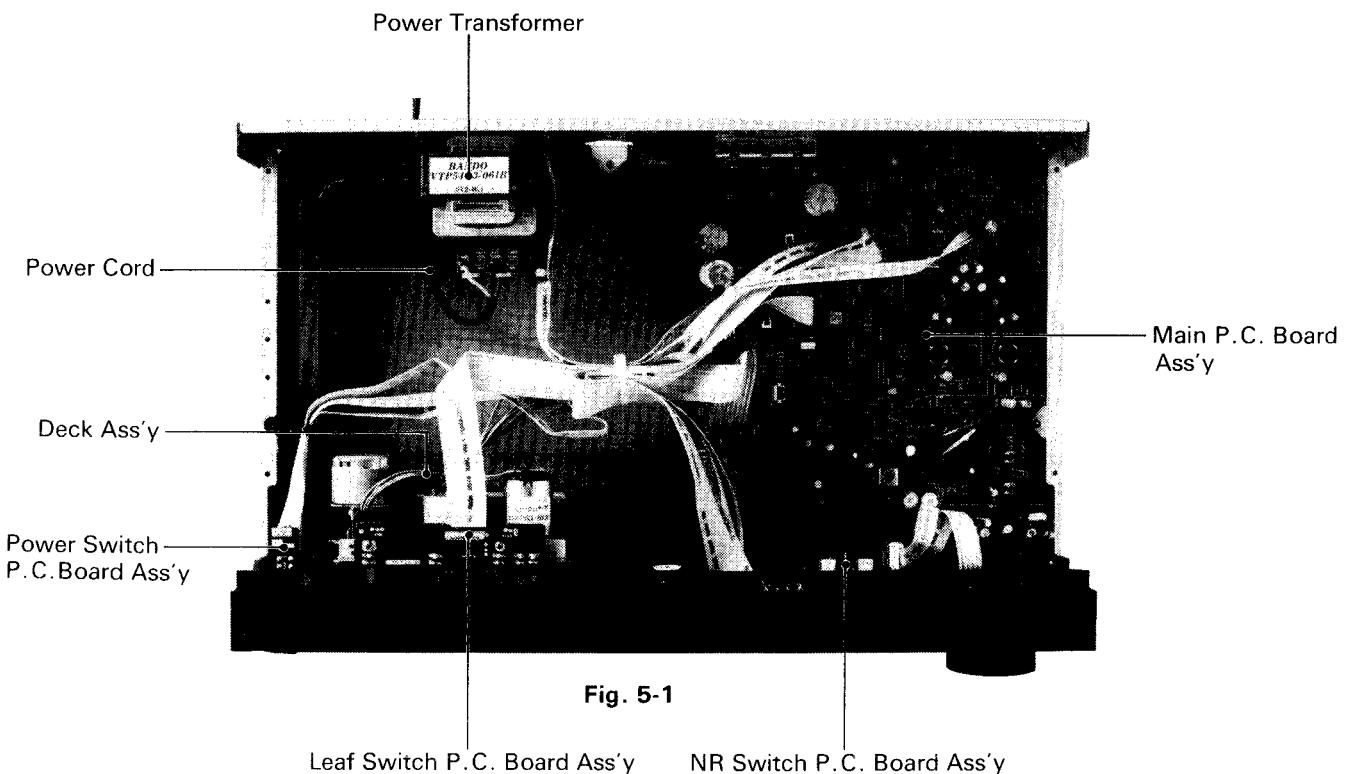
The left switch switches on and off noise reduction and the right switch selects which noise reduction system (Dolby B NR or Dolby C NR) is to be used.

⑫ Mic jacks (L, R) (TD-R411A/B/E/G/U)

Connect microphones (with an impedance of 600Ω to 10kΩ) to these jacks.

With microphones connected to these jacks, the input to LINE IN (REC) or DIN (for G version) terminals is cut off automatically.

5 Location of Main Parts



6 Removal of Main Parts

■ Enclosure Section

■ Top cover

1. Remove four screws retaining the both sides of the top cover.
2. Remove two screws retaining the back sides of the top cover.

■ Bottom cover

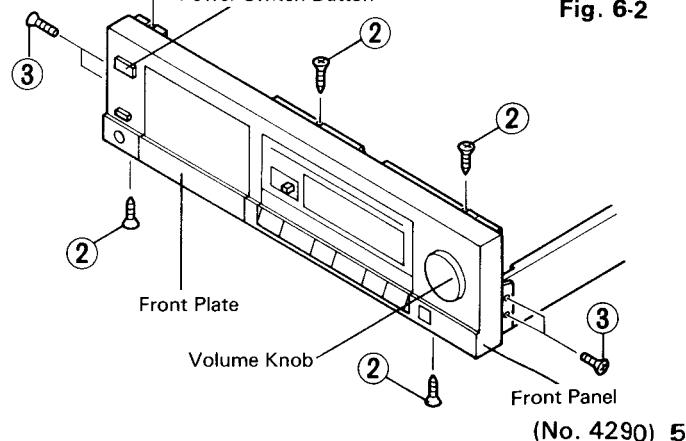
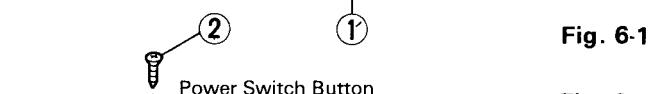
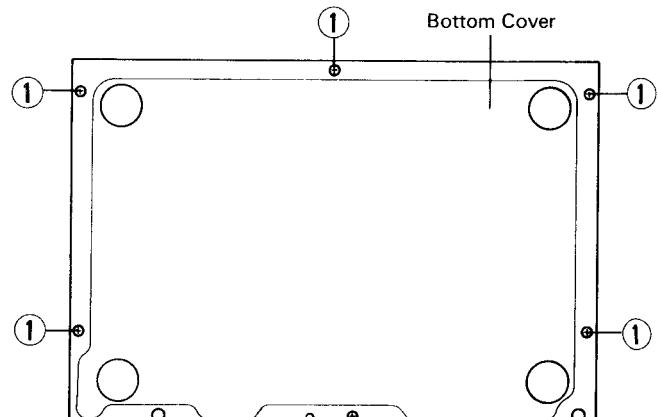
Remove six screws ① ① retaining the top and bottom side of the bottom cover. (Fig. 6-1)

■ Front plate

Remove five screws ② retaining the top and bottom side of the front plate. (Fig. 6-2)

■ Front panel

1. Remove four screws ③ retaining the both sides of the front panel. (Fig. 6-2)
2. Disconnect connectors CP501, CP502, CP503, CP505 and CP901 of Main board ass'y.
3. If necessary, remove dressed wires temporarily.
4. Pull out the Main board ass'y.



■ Deck Section

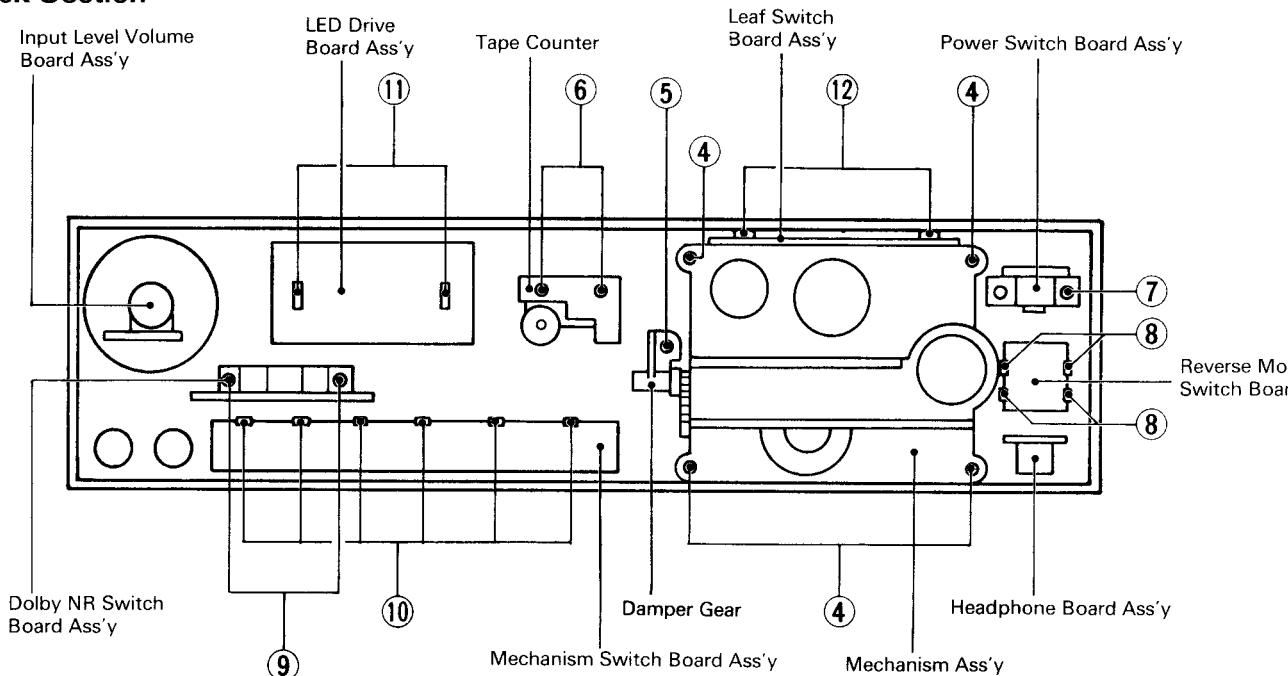


Fig. 6-3

■ Mechanism ass'y

1. Remove the counter belt.
2. Remove four screws (4) retaining the mechanism ass'y. (Fig. 6-3)
3. Press the EJECT button to open the cassette door.
4. Remove two screws (12) retaining the leaf switch board ass'y to mechanism ass'y. (Fig. 6-3)

■ Cassette door

1. Remove one screw (5) from damper gear. (Fig. 6-3)
2. Remove the cassette cover from the front panel disengaging its fulcrums on both sides and pull it out forward.

■ Tape counter

1. Remove two screws (6) retaining the tape counter. (Fig. 6-3)

■ Input level volume board ass'y

1. Pull out the volume knob. (Fig. 6-3)
2. Remove the nut for volume.

■ Power switch board ass'y

1. Pull out the power switch button.
2. Remove one screw (7) from power switch.

■ Headphone board ass'y

Pull out the headphone board ass'y and lift it upward.

■ Reverse mode switch board ass'y

Remove four pawls (8) retaining reverse mode switch board ass'y. (Fig. 6-3)

■ Dolby NR switch board ass'y

1. Remove two screws (9) from the Dolby NR swich. (Fig. 6-3)
2. Remove two buttons.

■ Mechanism switch board ass'y

Remove six pawls (10) retaining the mechanism switch board ass'y. (Fig. 6-3)

■ LED drive board ass'y

Remove two pawls (11) retaining the LED drive board ass'y.

■ Mechanism (Deck) Section

■ Head ass'y (Fig. 6-4)

1. Remove the head wires from the wire holder.
2. To protect the head gap, apply soft paper and stick it provisionally.
3. Remove two screws ① both sides of head gap and pull out the head ass'y carefully.

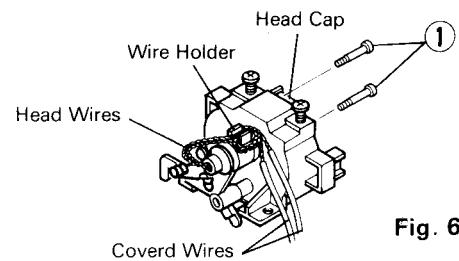


Fig. 6-4

■ Head mount ass'y (Fig. 6-5)

Remove two screws ② retaining the head mount ass'y.

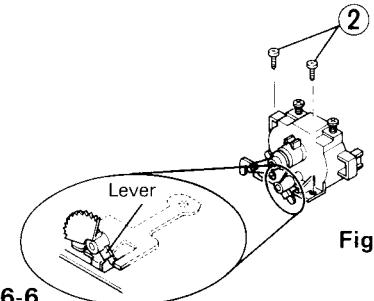


Fig. 6-5

Fig. 6-6

■ Pinch roller ass'y

Push a pawl catching the pinch roller ass'y on the chassis in the direction of the arrow mark (Fig. 6-7) to remove it.

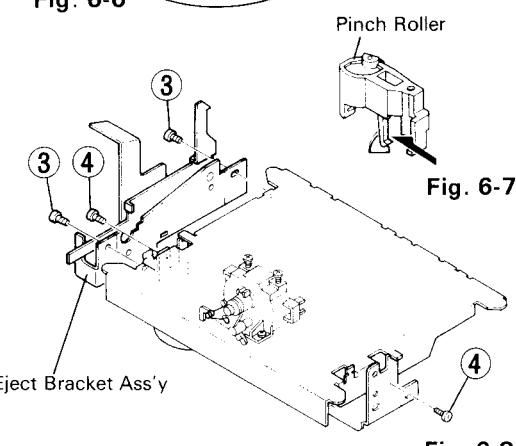


Fig. 6-7

Fig. 6-8

■ Flywheel bracket (FM bracket)

1. Remove two screws ③ securing the eject bracket ass'y. (Fig. 6-8)
2. Remove two screws ④ securing the flywheel bracket from the both sides. (Fig. 6-8)
- When the FM bracket is removed, the main belt is disengaged at the same time.
- The capstan motor and flywheel ass'y can be replaced by this procedure. (Fig. 6-9)

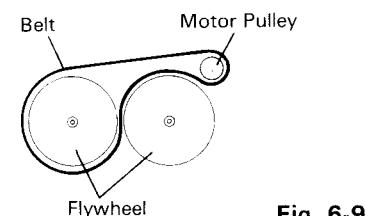


Fig. 6-9

■ Disk base unit

Remove three screws ⑤, ⑥ and ⑦ retaining the disk base unit. (Fig. 6-10, Fig. 6-11)

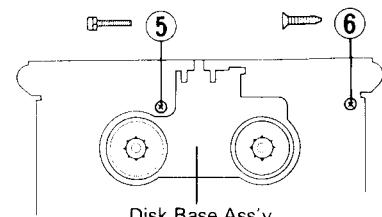


Fig. 6-10

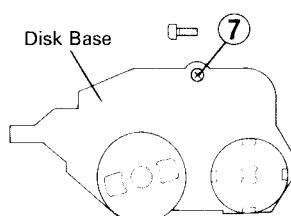


Fig. 6-11

- **Re-assembling of disk base unit**

1. Re-assemble the disk base unit in order of numbers (Ⓐ to ⓕ) shown in Fig. 6-12.

- a) When setting the cam gear, make sure of its positioning so that the gear's wide side makes a right angle with the disk, while its small side is in parallel with the disk as shown in Fig. 6-13.

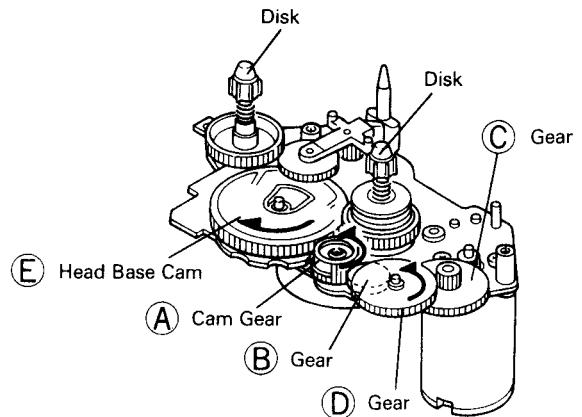


Fig. 6-12

- b) Engage the gears ⓒ, ⓓ and ⓔ with each other. (Fig. 6-12)

- c) When putting back the head base cam ⓕ, pay careful attention to positioning it so that big and small concaves are paralleled with the disk. (Fig. 6-14)

2. Turn the gears ⓒ, ⓔ in the direction of the arrow mark, and stop turing when the cam gear ⓑ and the head base cam ⓕ are free from each other (slit of the head base cam can be seen on the opposite side).

- **Fixing disk base unit to chassis**

Join together the head base cam and the pinch roller cam so as to catch on each other by the slits. (Fig. 6-15)

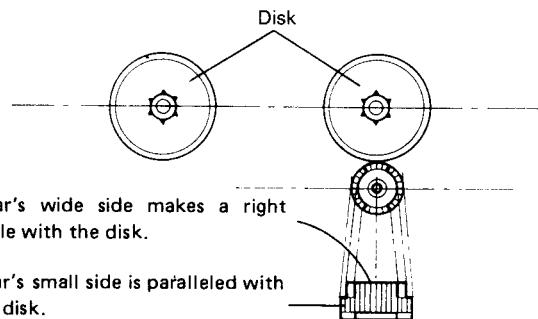


Fig. 6-13

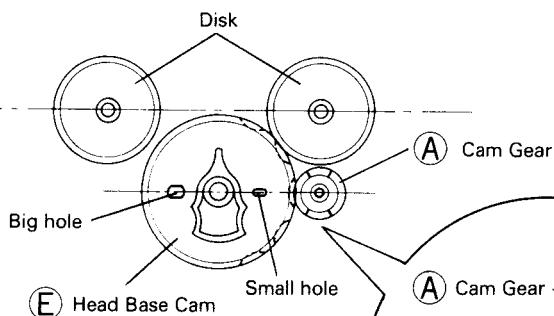


Fig. 6-14

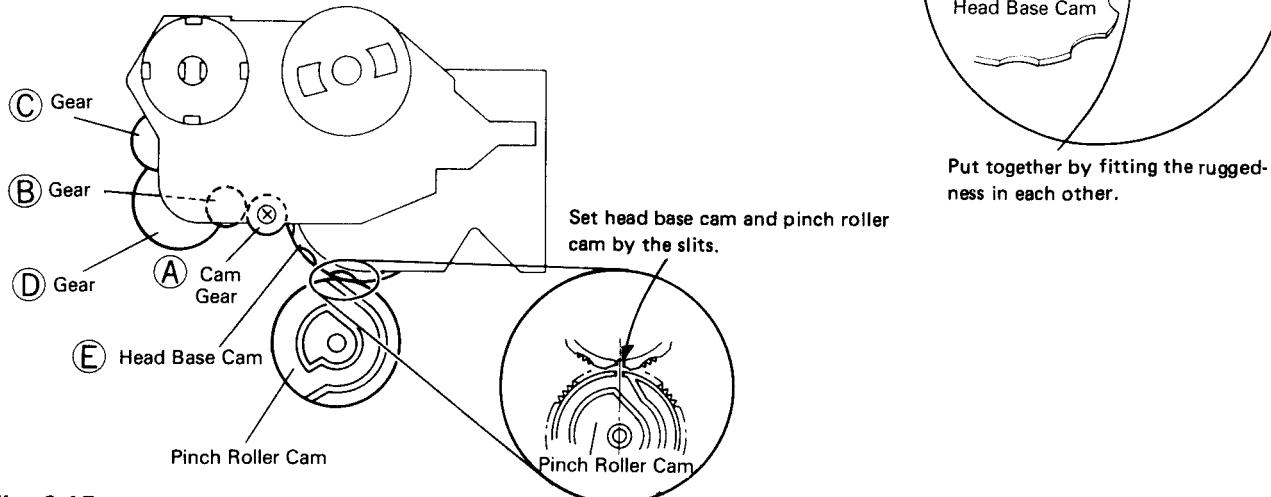


Fig. 6-15

7 Block Diagrams

[LET CHANNEL ONLY]

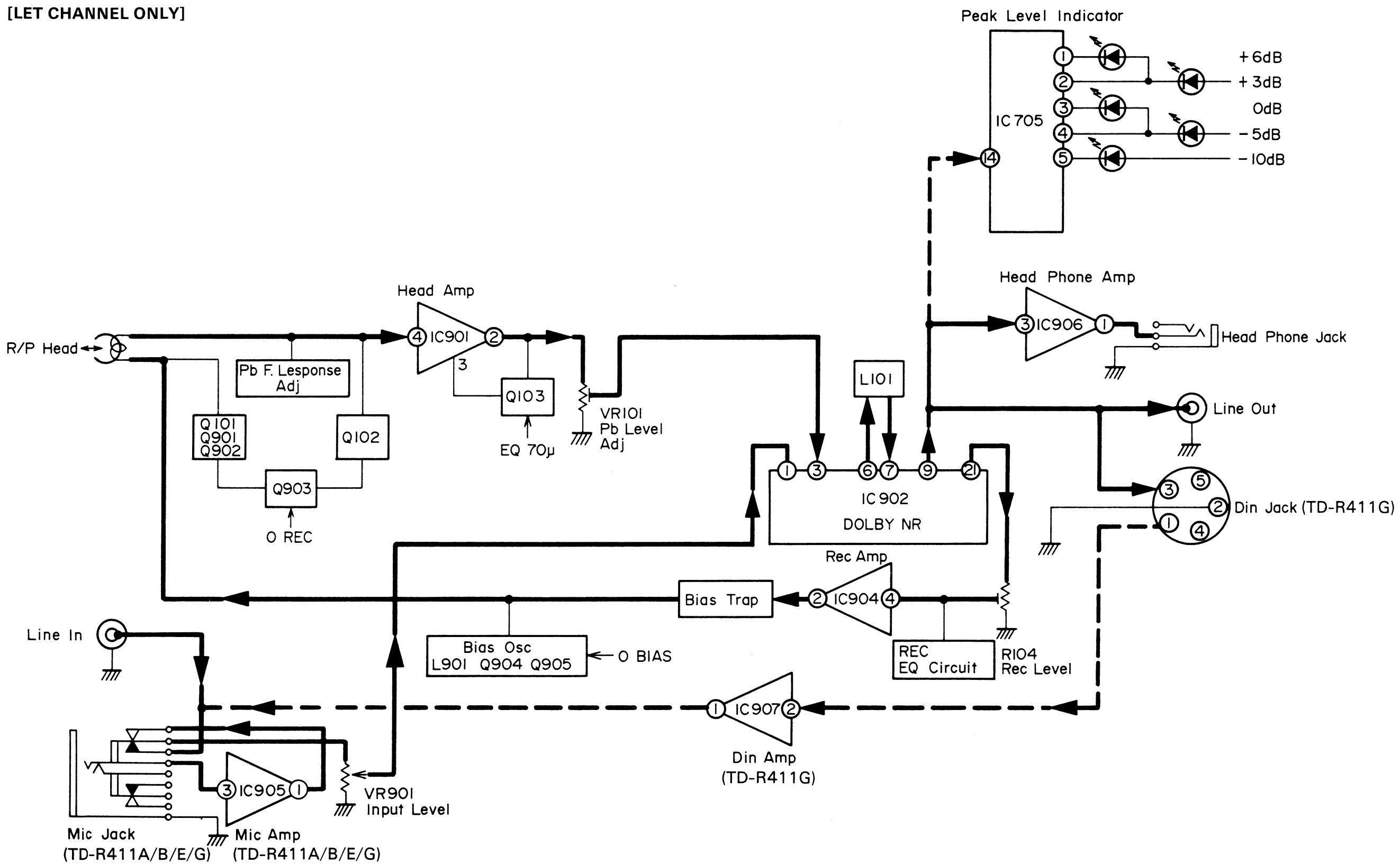


Fig. 7-1

8 Main Adjustments

1. Equipment and measuring instruments used for adjustments

- 1) Electronic voltmeter
- 2) Audio frequency oscillator
(range: 50–20 kHz and output 0 dB with impedance of 600 Ω)
- 3) Attenuator (impedance: 600 Ω)
- 4) Standard tape for REC/PB
Maxell UD1 (TS-9) — Normal (SF) tape
TDK SA — Chroma (SA) tape — or equivalent
JVC ME — Metal tape
- 5) Reference tape for playback (JVC Test Tape)
VTT712 (for tape speed, wow flutter adj.)
VTT724 (for playback level)
VTT739 (for playback frequency response)
VTT703L (10 kHz) (for head azimuth adj.)
- 6) Resistor 600 Ω (for attenuator matching)

- 7) Distortion meter (bandpass filter)
- 8) Wow flutter meter
- 9) Frequency counter

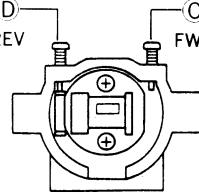
■ Power sources

Set the line voltage selector switch to 240 V/230 V/220 V/127 V/120 V/110 V according to your local voltage.

AC 240 V, 50/60 Hz (TD-R411A/B)
AC 220 V, 50/60 Hz (TD-R411E/G)
AC 120 V, 60 Hz (TD-R411C/J)
AC 230 V/127 V/110 V, 50/60 Hz (TD-R411U)

2. Mechanism adjustment procedure

● Notice: 0 dBs = 0.775 (V)

Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting motor speed	1. Connect a frequency counter to the LINE OUT terminals. 2. Play back the VTT712 test tape. 3. Adjust volume in motor for normal speed at 3000 Hz.	Volume in Motor	Normal speed: 3000 ± 15 Hz	
Checking wow and flutter	Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT712 test tape. Check to see if the reading of the meter is within 0.13% (WRMS).		0.13% (WRMS)	If the reading becomes moving value even if confirming to the standard, a reclaim may be raised. Repairs are necessary.
Adjusting Head azimuth	1. Connect an electronic voltmeter to the LINE OUT terminals. 2. Playback the VTT703L test tape. 3. Adjust the head angle with the screw (FWD C and REV D) until the reading of the electronic voltmeter becomes maximum for both channels.	Screws FWD C REV D	Maximum	

3. Electrical adjustments location

- Main Amp. P.C. Board (parts assembly side view)

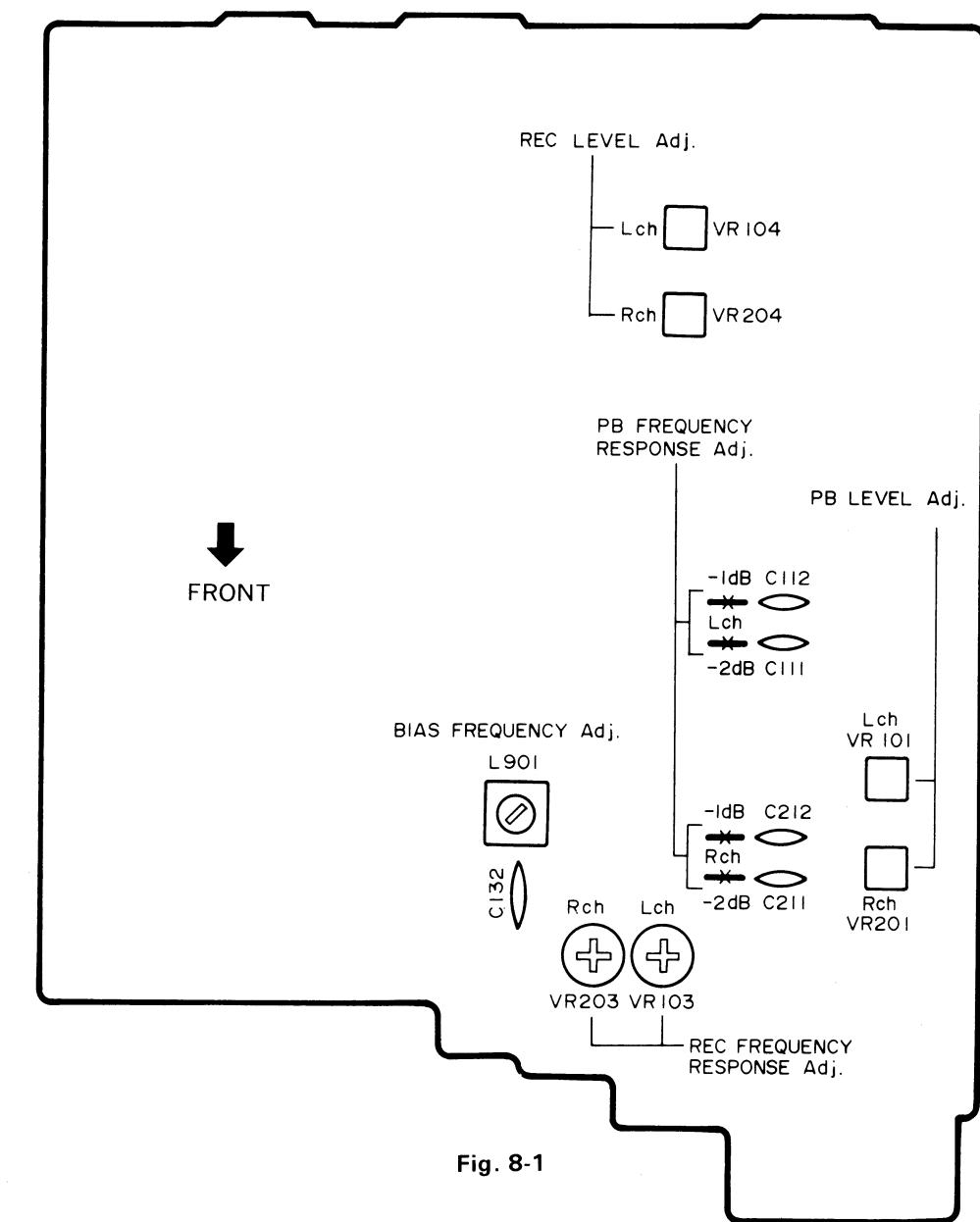


Fig. 8-1

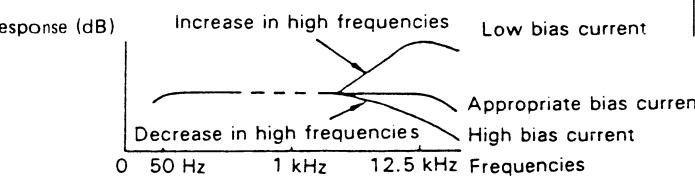
4. Electrical circuit adjustment procedure

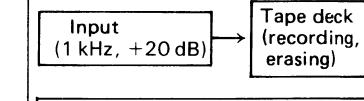
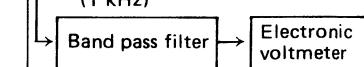
Perform the tape transport checks and head azimuth adjustment before following checks and adjustments.

Adjustment should be performed in the order of alignment steps.

In the steps marked with an asterisk (*), adjustment should be performed after replacing the heads.

Perform this adjustment with the NR switch set to OFF.

Step	Item	Adjustment	Adjusting point	Standard value	Remarks
*1	Confirming playback gain	Play back VTT724, then confirm that the level at LINE OUT is $-8 \text{ dBs} \pm 0.5 \text{ dB}$. Adjust VR101 (L) and VR201 (R) so that LINE OUT level becomes -8 dBs .	L : VR101 R : VR201	$-8 \text{ dBs} \pm 0.5 \text{ dB}$	When the head is replaced, adjust playback gain level. Checking: $-24 \pm 2 \text{ dBs}$ at headphone output level. $-8 \pm 1 \text{ dBs}$ at DIN output level. (TD-R411G)
*2	Playback frequency response	Play back VTT739, then confirm that the level of 1 kHz and 10 kHz signals is $0 \pm 1 \text{ dB}$. Note: Before adjustment, disconnect $\boxed{-1 \text{ dB}}$ $\boxed{-2 \text{ dB}}$ (L-ch) and $\boxed{-1 \text{ dB}}$ $\boxed{-2 \text{ dB}}$ (R-ch) so that the outputs of 1 kHz and 10 kHz signals are flat.	L : $\boxed{-1 \text{ dB}}$ $\boxed{-2 \text{ dB}}$ R : $\boxed{-1 \text{ dB}}$ $\boxed{-2 \text{ dB}}$	$0 \pm 1 \text{ dB}$	L : $\boxed{-1 \text{ dB}}$ cut by -1 dB (C112) $\boxed{-2 \text{ dB}}$ cut by -2 dB (C111) R : $\boxed{-1 \text{ dB}}$ cut by -1 dB (C212) $\boxed{-2 \text{ dB}}$ cut by -2 dB (C211)
*3	Adjusting bias frequency	Connect the frequency counter to the C132 on body, then adjust L901 so that the counter reads 95 kHz.	L901	$95 \text{ kHz} \pm 2 \text{ kHz}$	METAL Position
*4	Recording frequency response	1) NR switch: OFF 2) Record a 1 kHz signal at an input reference level of -20 dB , then record 12.5 kHz signals and play them back. At this time, adjust VR103 and VR203 so that the deviation of 12.5 kHz outputs satisfy the standard values with respect to 1 kHz output. Response (dB) 	For Normal tape L : VR103 R : VR203	With respect to 1 kHz reference: At 12.5 kHz : $0 \pm 0.5 \text{ kHz}$	
*5	Recording gain	1) Apply a 1 kHz signal to the LINE IN terminals, record a 1 kHz signal at -20 dBs input for both (L and R) channels on a normal tape. 2) Play back the recorded part, and adjust the recording level controls so that LINE OUT terminal level becomes -8 dBs . Then adjust VR104 and VR204 so that LINE OUT terminal level becomes -8 dBs .	For Normal tape: L : VR104 R : VR204	Normal: $-8 \pm 0.5 \text{ dBs}$ CrO ₂ : $-8 \pm 1.5 \text{ dBs}$ Metal: $-8 \pm 2 \text{ dBs}$	Perform the adjustment using a normal tape. Level difference between recording and playback for SA/CrO ₂ and metal tapes should be less than 2 dB, and that between left and right channels should also be less than 3 dB.

Step	Item	Adjustment	Adjusting point	Standard value	Remarks
*6	Checking record/playback distortion	1) Record a 1 kHz, -8 dB signal to LINE IN terminals. 2) Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value.		Normal tape: Less than 2% CrO ₂ tape: Less than 3% Metal tape: Less than 2% (THD)	Be sure to perform this checking following bias current and recording level checking.
7	Checking signal to noise ratio in recording/playback	1) Record a 1 kHz, 0 dB signal. Stop the input by disconnecting from the terminal to perform non-signal recording. 2) Play back the recorded part. Measure the 0 dB recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value.		Normal, CrO ₂ & Metal tapes: More than 42 dB	Apply an input level to LINE IN terminals with the recording level controls set to maximum so that the peak level indicator reads 0 dB.
8	Checking erasing coefficient	1) Apply a 1 kHz, 0 dB signal to the LINE IN terminals. 2) Perform recording with the signal enhanced by 20 dB. 3) Erase a part of the recording. 4) Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter.		More than 60dB	For the measurement using a metal tape, connect a band pass filter between the deck and the electronic voltmeter.  
9	Checking minimum input level	1) Apply a 1 kHz signal to the LINE IN terminals, check the LINE OUT terminals level at -8 dBs with attenuator to see if the value confirms to the standard value.		LINE IN : $-20 \pm 3 \text{ dBs}$ MIC IN : $-66 \pm 3 \text{ dBs}$ (TD-R411A/B/E/G/U) DIN IN : $-24 \pm 3 \text{ dBs}$ (TD-R411G)	Level difference between left and right channels should also be less than 3 dB.

9 Standard Schematic Diagrams

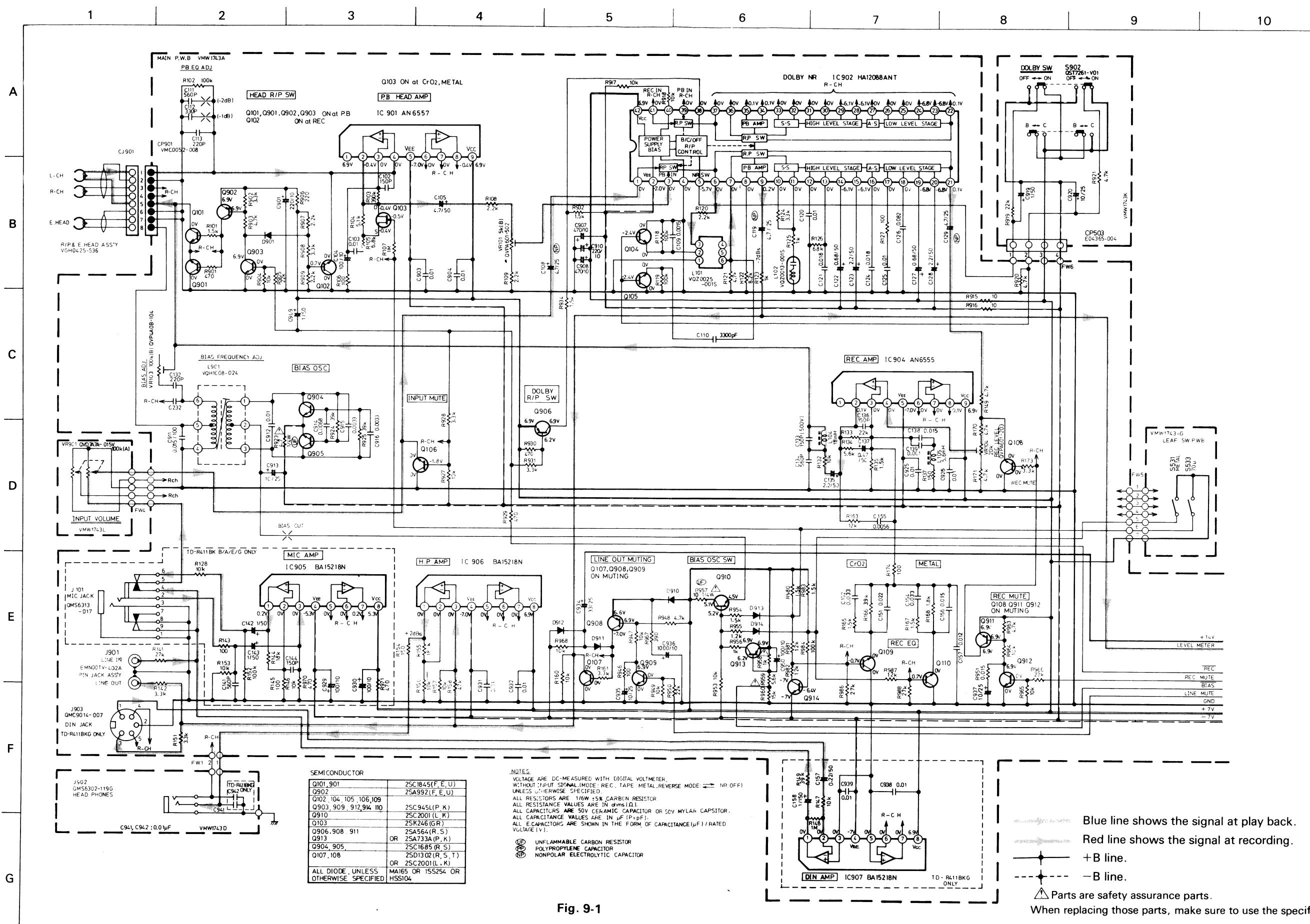
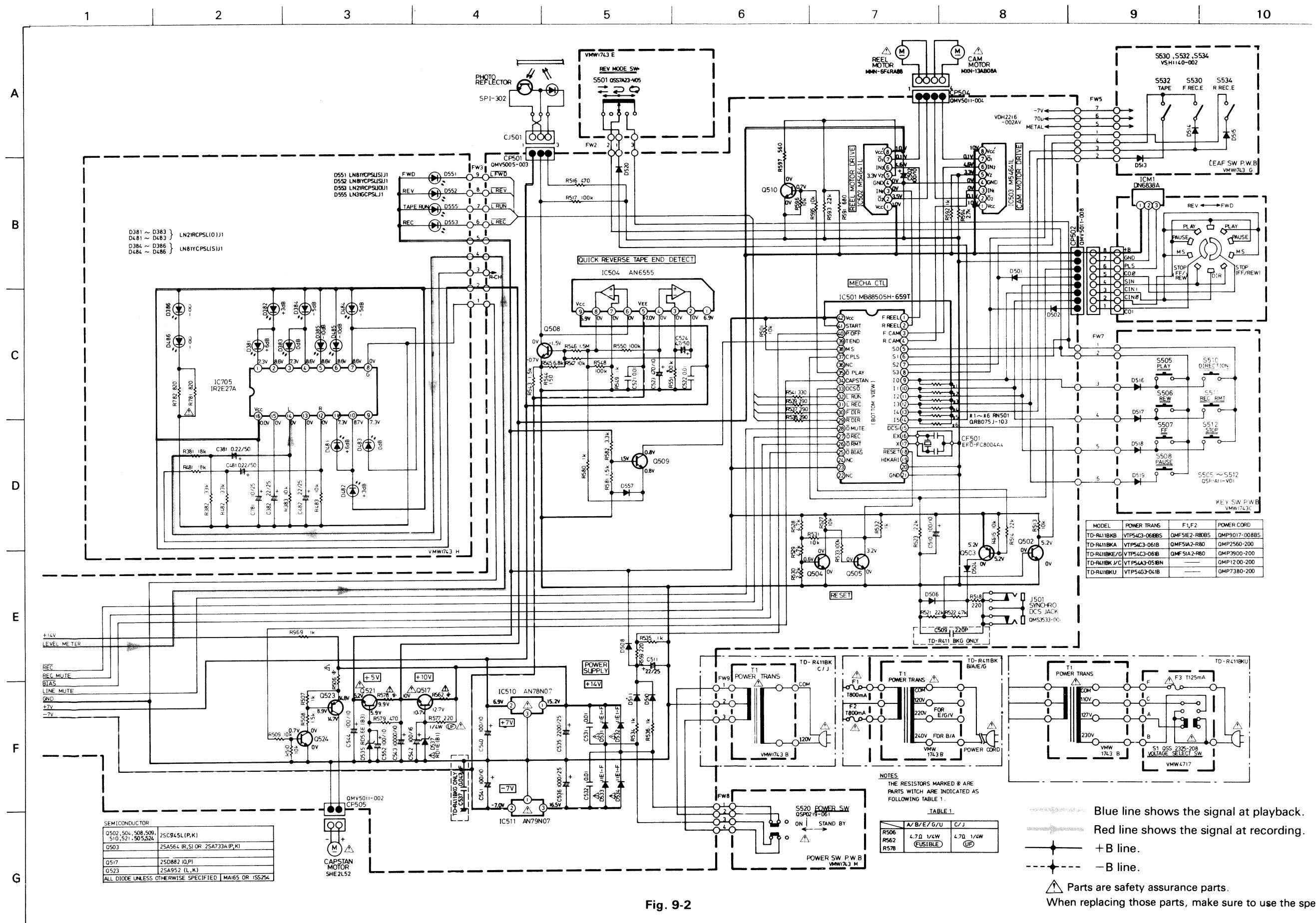


Fig. 9-1



10 Wiring Connections

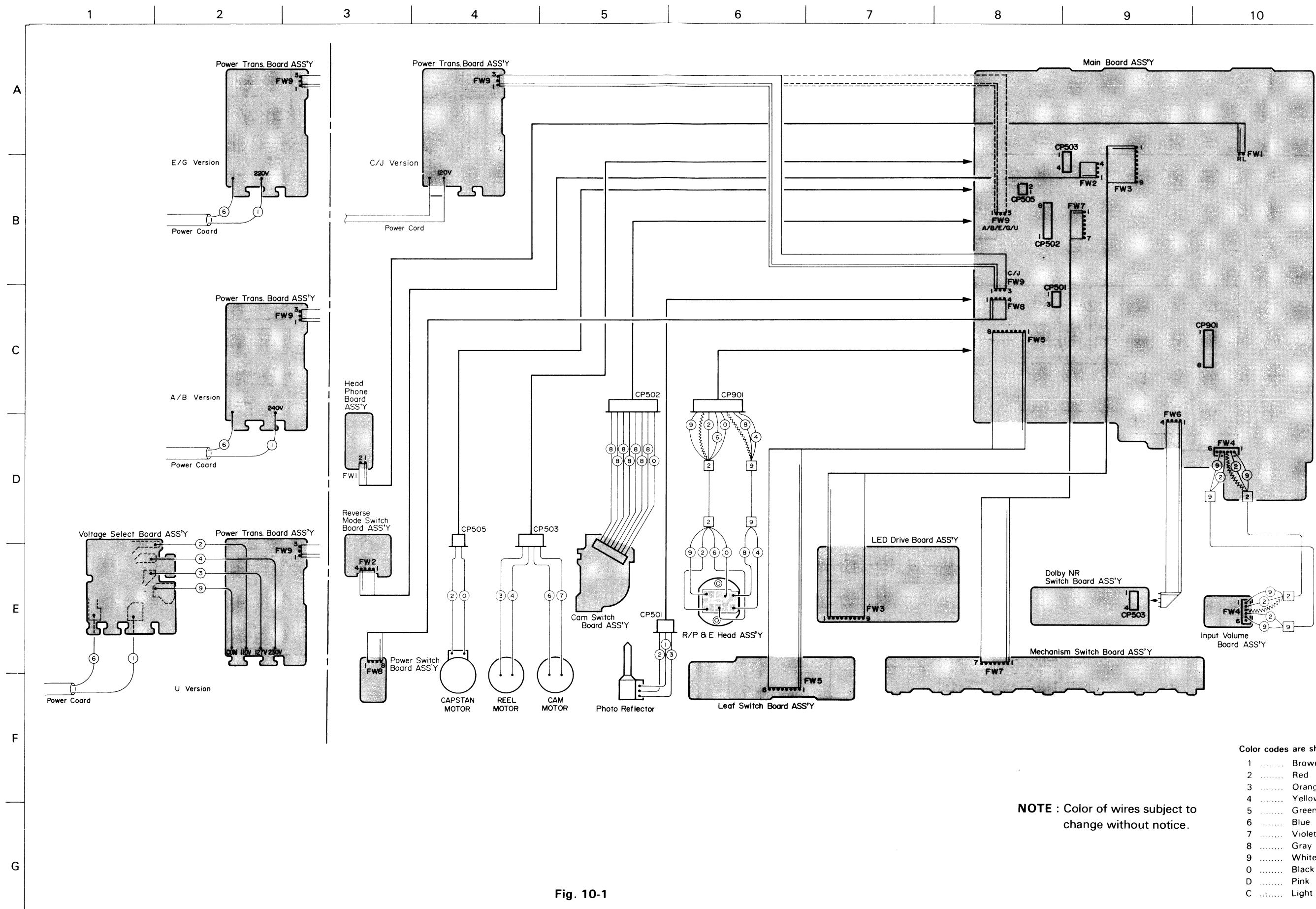


Fig. 10-1

11 Location of P.C. Board Parts and Parts List

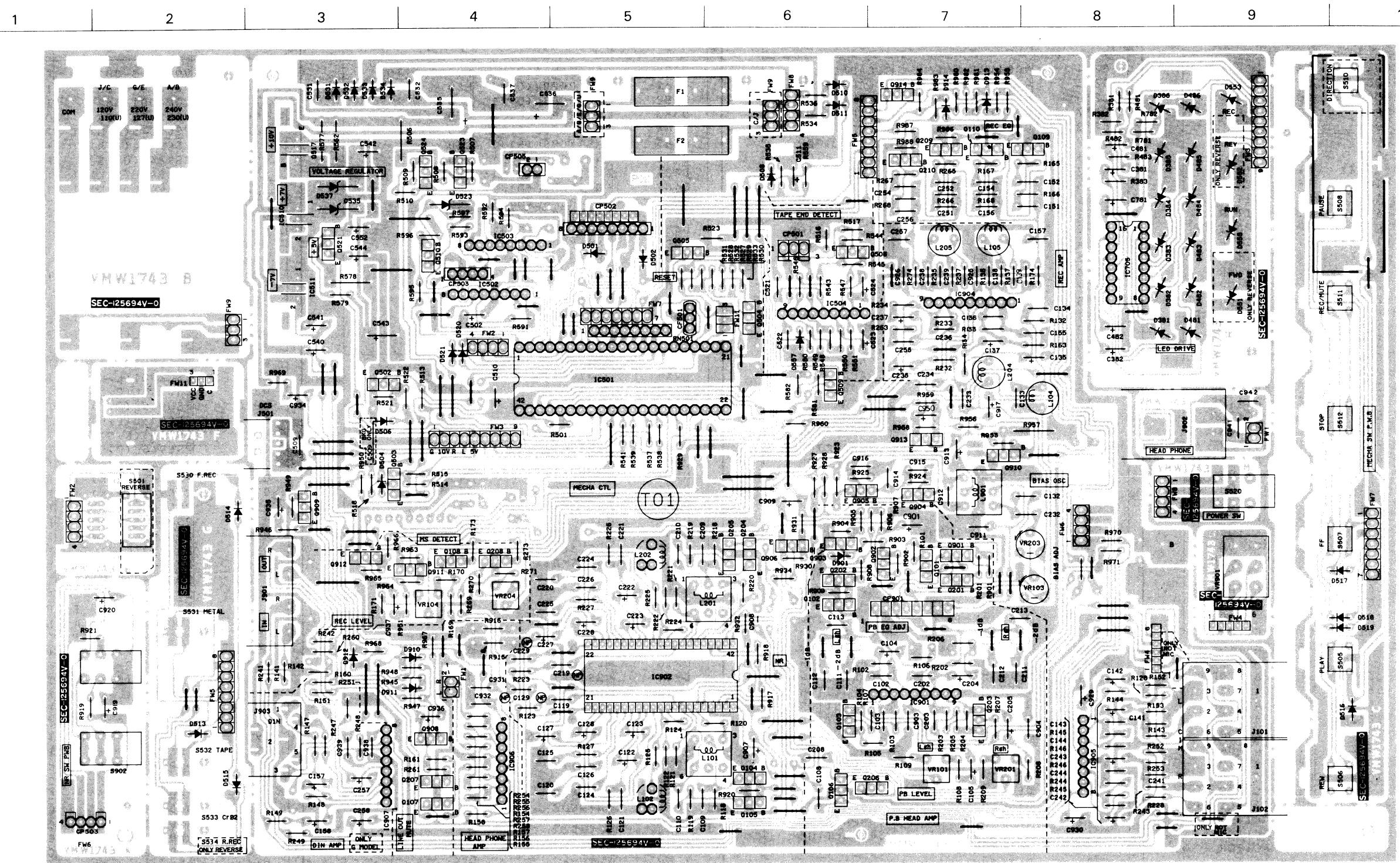
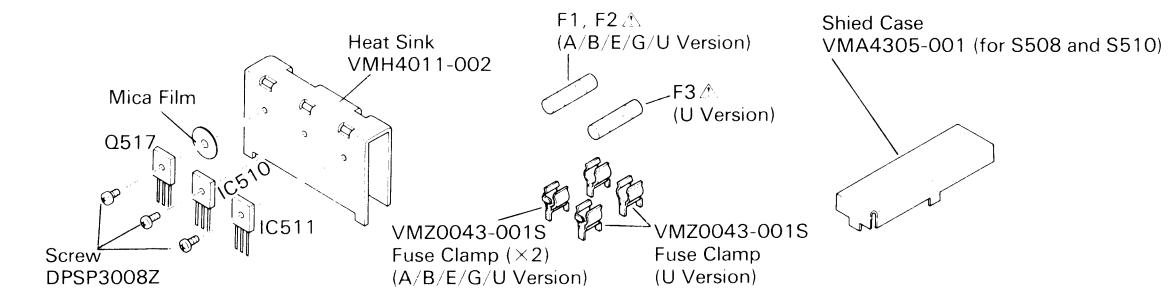
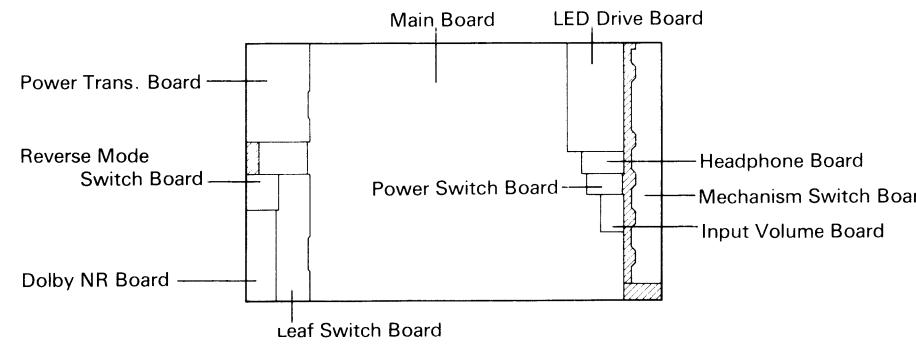


Fig. 11-1



Main Board Parts List

REF. NO	PARTS NO.	PARTS NAME
CF501	EFO-FC8004A4	CERA LOCK
CP501	QMV5005-003	CONNECTOR
CP502	QMV5011-008	CONNECTOR
CP503	E04365-004S	CONNECTOR
CP504	QMV5011-004	CONNECTOR
CP505	QMV5011-002	CONNECTOR
CP901	VMCO052-008	CONNECTOR
C102	QCS31HJ-151Z	C.CAPACITOR
C103	QFV71HJ-103ZM	TF.CAPACITOR
C104	QETC1AM-107ZN	E.CAPACITOR
C105	QETC1HM-475ZN	E.CAPACITOR
C108	QEN61EM-475Z	NP.E.CAPACITOR
C109	QFN31HJ-152Z	M.CAPACITOR
C110	QFN31HJ-332Z	M.CAPACITOR
C111	QCS31HJ-561Z	C.CAPACITOR
C112	QCS31HJ-331Z	C.CAPACITOR
C113	QCS31HJ-221Z	C.CAPACITOR
C119	QEN61EM-475Z	NP.E.CAPACITOR
C120	QFV71HJ-103ZM	TF.CAPACITOR
C121	QFV71HJ-183ZM	TF.CAPACITOR
C122	QETC1HM-684ZN	E.CAPACITOR
C123	QETC1HM-225ZN	E.CAPACITOR
C124	QFV71HJ-183ZM	TF.CAPACITOR
C125	QFV71HJ-103ZM	TF.CAPACITOR
C126	QFV71HJ-823ZM	TF.CAPACITOR
C127	QETC1HM-684ZN	E.CAPACITOR
C128	QETC1HM-225ZN	E.CAPACITOR
C129	QEN61EM-475Z	NP.E.CAPACITOR
C132	QCS31HJ-221Z	C.CAPACITOR
C133	QCS32HJ-151ZV	C.CAPACITOR
C134	QCS31HJ-561Z	C.CAPACITOR
C135	QETC1HM-225ZN	E.CAPACITOR
C136	QCS31HJ-151Z	C.CAPACITOR
C137	QETC1HM-474ZN	E.CAPACITOR
C138	QFV71HJ-153ZM	TF.CAPACITOR
C139	QFN31HJ-102Z	M.CAPACITOR
C141	QCS31HJ-561Z	C.CAPACITOR
C142	QETC1HM-105ZN	E.CAPACITOR
C143	QETC1HM-105ZN	E.CAPACITOR
C144	QCS31HJ-151Z	C.CAPACITOR
C151	QFV71HJ-223ZM	TF.CAPACITOR
C152	QFV71HJ-333ZM	TF.CAPACITOR
C154	QFV71HJ-333ZM	TF.CAPACITOR
C155	QFN31HJ-562Z	M.CAPACITOR
C156	QFV71HJ-153ZM	TF.CAPACITOR
C157	QFV71HJ-123ZM	TF.CAPACITOR
C158	QETC1HM-105ZN	E.CAPACITOR
C202	QCS31HJ-151Z	C.CAPACITOR
C203	QFV71HJ-103ZM	TF.CAPACITOR
C204	QETC1AM-107ZN	E.CAPACITOR
C205	QETC1HM-475ZN	E.CAPACITOR
C208	QEN61EM-475Z	NP.E.CAPACITOR
C209	QFN31HJ-152Z	M.CAPACITOR
C210	QFN31HJ-332Z	M.CAPACITOR
C211	QCS31HJ-561Z	C.CAPACITOR
C212	QCS31HJ-331Z	C.CAPACITOR
C213	QCS31HJ-221Z	C.CAPACITOR
C219	QEN61EM-475Z	NP.E.CAPACITOR
C220	QFV71HJ-103ZM	TF.CAPACITOR
C221	QFV71HJ-183ZM	TF.CAPACITOR
C222	QETC1HM-684ZN	E.CAPACITOR
C223	QETC1HM-225ZN	E.CAPACITOR
C224	QFV71HJ-183ZM	TF.CAPACITOR
C225	QFV71HJ-103ZM	TF.CAPACITOR
C226	QFV71HJ-823ZM	TF.CAPACITOR
C227	QETC1HM-684ZN	E.CAPACITOR
C228	QETC1HM-225ZN	E.CAPACITOR
C229	QEN61EM-475Z	NP.E.CAPACITOR
C232	QCS31HJ-221Z	C.CAPACITOR
C233	QCS32HJ-151ZV	C.CAPACITOR

REF. NO	PARTS NO.	PARTS NAME
C234	QCS31HJ-561Z	C.CAPACITOR
C235	QETC1HM-225ZN	E.CAPACITOR
C236	QCS31HJ-151Z	C.CAPACITOR
C237	QETC1HM-474ZN	E.CAPACITOR
C238	QFV71HJ-153ZM	TF.CAPACITOR
C239	QFN31HJ-102Z	M.CAPACITOR
C241	QCS31HJ-561Z	C.CAPACITOR
C242	QETC1HM-105ZN	E.CAPACITOR
C243	QETC1HM-105ZN	E.CAPACITOR
C244	QCS31HJ-151Z	C.CAPACITOR
C251	QFV71HJ-223ZM	TF.CAPACITOR
C252	QFV71HJ-333ZM	TF.CAPACITOR
C254	QFV71HJ-333ZM	TF.CAPACITOR
C255	QFN31HJ-562Z	M.CAPACITOR
C256	QFV71HJ-153ZM	TF.CAPACITOR
C257	QFV71HJ-123ZM	TF.CAPACITOR
C258	QETC1HM-105ZN	E.CAPACITOR
C381	QETC1HM-224ZN	E.CAPACITOR
C382	QETC1EM-226ZN	E.CAPACITOR
C481	QETC1HM-224ZN	E.CAPACITOR
C482	QETB1EM-226	E.CAPACITOR
C502	QETC1AM-107ZN	E.CAPACITOR
C509	QCS31HJ-221Z	C.CAPACITOR
C510	QETC1AM-107ZN	E.CAPACITOR
C511	QETC1EM-226ZN	E.CAPACITOR
C521	QCF31HP-103Z	C.CAPACITOR
C522	QCF31HP-103Z	C.CAPACITOR
C523	QETC1AM-477ZN	E.CAPACITOR
C524	QETC1HM-475ZN	E.CAPACITOR
C531	QCF31HP-103Z	C.CAPACITOR
C532	QCF31HP-103Z	C.CAPACITOR
C535	QETB1EM-228N	E.CAPACITOR
C536	QET51ER-108N	E.CAPACITOR
C537	QCF31HP-473Z	C.CAPACITOR
C540	QETC1AM-107ZN	E.CAPACITOR
C541	QETC1AM-107ZN	E.CAPACITOR
C542	QETB1CM-107N	E.CAPACITOR
C543	QETB1AM-109N	E.CAPACITOR
C544	QETC1AM-107ZN	E.CAPACITOR
C552	QETC1AM-107ZN	E.CAPACITOR
C781	QETC1EM-106ZN	E.CAPACITOR
C901	QETB1AM-227	E.CAPACITOR
C903	QCF31HP-103Z	C.CAPACITOR
C904	QCF31HP-103Z	C.CAPACITOR
C907	QETC1AM-477ZN	E.CAPACITOR
C908	QETC1AM-477ZN	E.CAPACITOR
C909	QETC1HM-105ZN	E.CAPACITOR
C910	QETA1AM-227N	E.CAPACITOR
C911	QFP82AJ-153	P.P.CAPACITOR
C912	QFV71HJ-103ZM	TF.CAPACITOR
C913	QETC1EM-106ZN	E.CAPACITOR
C914	QFN31HJ-682Z	M.CAPACITOR
C915	QFN31HJ-332Z	M.CAPACITOR
C916	QFN31HJ-332Z	M.CAPACITOR
C919	QETC1HM-105ZN	E.CAPACITOR
C920	QETC1EM-106ZN	E.CAPACITOR
C925	QCF31HP-103Z	C.CAPACITOR
C926	QCF31HP-103Z	C.CAPACITOR
C929	QETC1AM-107ZN	E.CAPACITOR
C930	QETC1AM-107ZN	E.CAPACITOR
C931	QCF31HP-103Z	C.CAPACITOR
C932	QCF31HP-103Z	C.CAPACITOR
C934	QETC1EM-336ZN	E.CAPACITOR
C935	QETC1EM-106ZN	E.CAPACITOR
C936	QETB1AM-108N	E.CAPACITOR
C937	QETC1EM-106ZN	E.CAPACITOR
C938	QCF31HP-103Z	C.CAPACITOR
C939	QCF31HP-103Z	C.CAPACITOR
C941	QCF31HP-103Z	C.CAPACITOR
C942	QCF31HP-103Z	C.CAPACITOR

REF. NO	PARTS NO.	PARTS NAME
C950	QETC1AM-107ZN	E.CAPACITOR
D381	LN21RCPSL(O)J1	LED
D382	LN21RCPSL(O)J1	LED
D383	LN21RCPSL(O)J1	LED
D384	LN81YCPNL(S)J1	LED
D385	LN81YCPNL(S)J1	LED
D386	LN81YCPNL(S)J1	LED
D481	LN21RCPSL(O)J1	LED
D482	LN21RCPSL(O)J1	LED
D483	LN21RCPSL(O)J1	LED
D484	LN81YCPNL(S)J1	LED
D485	LN81YCPNL(S)J1	LED
D486	LN81YCPNL(S)J1	LED
D501	HSS104TJ	SI DIODE
D502	HSS104TJ	SI DIODE
D504	HSS104TJ	SI DIODE
D506	HSS104TJ	SI DIODE
D508	HSS104TJ	SI DIODE
D510	HSS104TJ	SI DIODE
D511	HSS104TJ	SI DIODE
D513	HSS104TJ	SI DIODE
D514	HSS104TJ	SI DIODE
D515	HSS104TJ	SI DIODE
D516	HSS104TJ	SI DIODE
D517	HSS104TJ	SI DIODE
D518	HSS104TJ	SI DIODE
D519	HSS104TJ	SI DIODE
D520	HSS104TJ	SI DIODE
D521	HSS104TJ	SI DIODE
D531	11E1-TB2	SI DIODE
D532	11E1-TB2	SI DIODE
D533	11E1-TB2	SI DIODE
D534	11E1-TB2	SI DIODE
D535	RDS.6(E3)	ZENER DIODE
D537	RD11E(B1)	Z DIODE
D551	LN81YCPNL(S)J1	LED
D552	LN81YCPNL(S)J1	LED
D553	LN21RCPSL(O)J1	LED
D555	LN31GCPNLJ1	LED
D557	HSS104TJ	SI DIODE
D901	HSS104TJ	SI DIODE
D910	HSS104TJ	SI DIODE
D911	HSS104TJ	SI DIODE
D912	HSS104TJ	SI DIODE
D913	HSS104TJ	SI DIODE
D914	HSS104TJ	SI DIODE
IC501	MB8850H-659T	IC(CPU)
IC502	M54641L	IC
IC503	M54641L	IC
IC504	AN6555	I.C
IC510	AN78N07	I.C
IC511	AN79N07	I.C

⚠ Parts are safety assurance parts.

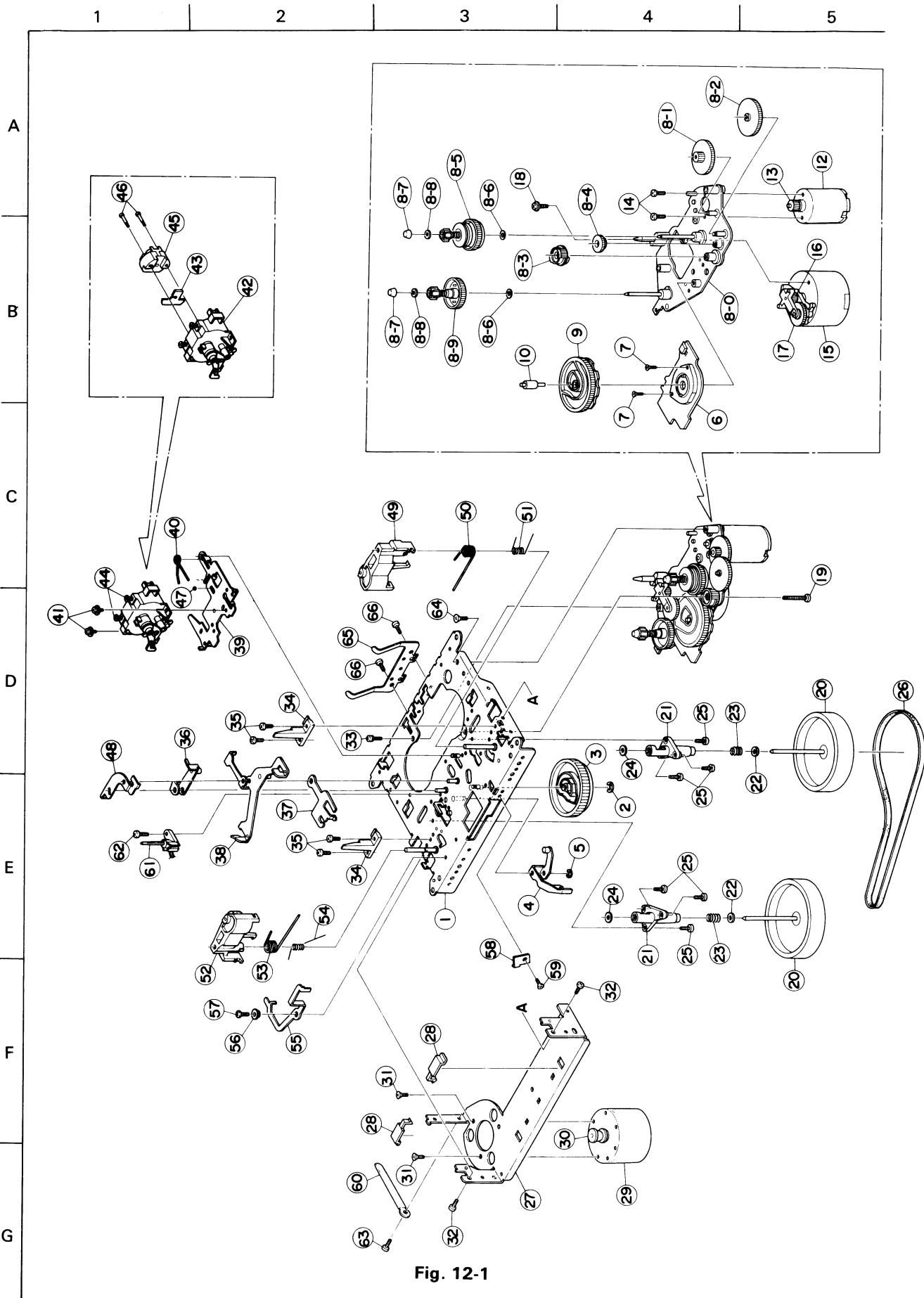
When replacing those parts, make sure to use the specified one.

▲	REF. NO	PARTS NO.	PARTS NAME
	R133	QRD161J-223Y	CARBON RESISTOR
	R134	QRD161J-822Y	CARBON RESISTOR
	R135	QRD161J-152Y	CARBON RESISTOR
	R137	QRD161J-151Y	CARBON RESISTOR
	R141	QRD161J-273Y	CARBON RESISTOR
	R142	QRD161J-332Y	CARBON RESISTOR
	R143	QRD161J-101Y	CARBON RESISTOR
	R144	QRD161J-183Y	CARBON RESISTOR
	R145	QRD161J-101Y	CARBON RESISTOR
	R146	QRD161J-103Y	CARBON RESISTOR
	R147	QRD161J-103Y	CARBON RESISTOR
	R148	QRD161J-105Y	CARBON RESISTOR
	R149	QRD161J-393Y	CARBON RESISTOR
	R151	QRD161J-332Y	CARBON RESISTOR
	R152	QRD161J-104Y	CARBON RESISTOR
	R153	QRD161J-103Y	CARBON RESISTOR
	R154	QRD161J-151Y	CARBON RESISTOR
	R155	QRD161J-184Y	CARBON RESISTOR
	R156	QRD161J-103Y	CARBON RESISTOR
	R157	QRD161J-103Y	CARBON RESISTOR
	R158	QRD161J-473Y	CARBON RESISTOR
	R160	QRD161J-103Y	CARBON RESISTOR
	R161	QRD161J-332Y	CARBON RESISTOR
	R163	QRD161J-103Y	CARBON RESISTOR
	R165	QRD161J-272Y	CARBON RESISTOR
	R166	QRD161J-392Y	CARBON RESISTOR
	R167	QRD161J-152Y	CARBON RESISTOR
	R168	QRD161J-182Y	CARBON RESISTOR
	R169	QRD161J-472Y	CARBON RESISTOR
	R170	QRD161J-472Y	CARBON RESISTOR
	R171	QRD161J-472Y	CARBON RESISTOR
	R173	QRD161J-332Y	CARBON RESISTOR
	R174	QRD161J-101Y	CARBON RESISTOR
	R201	QRD161J-152Y	CARBON RESISTOR
	R202	QRD161J-104Y	CARBON RESISTOR
	R203	QRD161J-394Y	CARBON RESISTOR
	R204	QRD161J-512Y	CARBON RESISTOR
	R205	QRD161J-682Y	CARBON RESISTOR
	R206	QRD161J-101Y	CARBON RESISTOR
	R207	QRD161J-105Y	CARBON RESISTOR
	R208	QRD161J-222Y	CARBON RESISTOR
	R209	QRD161J-222Y	CARBON RESISTOR
	R218	QRD161J-104Y	CARBON RESISTOR
	R219	QRD161J-104Y	CARBON RESISTOR
	R220	QRD161J-222Y	CARBON RESISTOR
	R221	QRD161J-472Y	CARBON RESISTOR
	R222	QRD161J-822Y	CARBON RESISTOR
	R223	QRD161J-102Y	CARBON RESISTOR
	R224	QRD161J-332Y	CARBON RESISTOR
	R225	QRD161J-102Y	CARBON RESISTOR
	R226	QRD161J-683Y	CARBON RESISTOR
	R227	QRD161J-101Y	CARBON RESISTOR
	R228	QRD161J-103Y	CARBON RESISTOR
	R232	QRD161J-103Y	CARBON RESISTOR
	R233	QRD161J-223Y	CARBON RESISTOR
	R234	QRD161J-822Y	CARBON RESISTOR
	R235	QRD161J-152Y	CARBON RESISTOR
	R237	QRD161J-151Y	CARBON RESISTOR
	R241	QRD161J-273Y	CARBON RESISTOR
	R242	QRD161J-332Y	CARBON RESISTOR
	R243	QRD161J-101Y	CARBON RESISTOR
	R244	QRD161J-183Y	CARBON RESISTOR
	R245	QRD161J-101Y	CARBON RESISTOR
	R246	QRD161J-103Y	CARBON RESISTOR
	R247	QRD161J-103Y	CARBON RESISTOR
	R248	QRD161J-105Y	CARBON RESISTOR
	R249	QRD161J-393Y	CARBON RESISTOR
	R251	QRD161J-332Y	CARBON RESISTOR
	R252	QRD161J-104Y	CARBON RESISTOR
	R253	QRD161J-103Y	CARBON RESISTOR

▲	REF. NO	PARTS NO.	PARTS NAME
	R254	QRD161J-151Y	CARBON RESISTOR
	R255	QRD161J-184Y	CARBON RESISTOR
	R256	QRD161J-103Y	CARBON RESISTOR
	R257	QRD161J-103Y	CARBON RESISTOR
	R258	QRD161J-473Y	CARBON RESISTOR
	R260	QRD161J-103Y	CARBON RESISTOR
	R261	QRD161J-332Y	CARBON RESISTOR
	R263	QRD161J-103Y	CARBON RESISTOR
	R265	QRD161J-272Y	CARBON RESISTOR
	R266	QRD161J-392Y	CARBON RESISTOR
	R267	QRD161J-152Y	CARBON RESISTOR
	R268	QRD161J-182Y	CARBON RESISTOR
	R269	QRD161J-472Y	CARBON RESISTOR
	R270	QRD161J-472Y	CARBON RESISTOR
	R271	QRD161J-472Y	CARBON RESISTOR
	R273	QRD161J-332Y	CARBON RESISTOR
	R274	QRD161J-101Y	CARBON RESISTOR
	R381	QRD161J-183Y	CARBON RESISTOR
	R382	QRD161J-333Y	CARBON RESISTOR
	R383	QRD161J-103Y	CARBON RESISTOR
	R481	QRD161J-183Y	CARBON RESISTOR
	R482	QRD161J-333Y	CARBON RESISTOR
	R483	QRD161J-103Y	CARBON RESISTOR
	R501	QRD161J-103Y	CARBON RESISTOR
	R506	QRD149J-4R7S	CARBON RESISTOR
	R507	QRD161J-102Y	CARBON RESISTOR
	R508	QRD161J-152Y	CARBON RESISTOR
	R509	QRD161J-103Y	CARBON RESISTOR
	R510	QRD161J-103Y	CARBON RESISTOR
	R513	QRD161J-103Y	CARBON RESISTOR
	R514	QRD161J-223Y	CARBON RESISTOR
	R515	QRD161J-103Y	CARBON RESISTOR
	R516	QRD161J-471Y	CARBON RESISTOR
	R517	QRD161J-104Y	CARBON RESISTOR
	R518	QRD161J-221Y	CARBON RESISTOR
	R521	QRD161J-223Y	CARBON RESISTOR
	R522	QRD161J-473Y	CARBON RESISTOR
	R523	QRD161J-223Y	CARBON RESISTOR
	R527	QRD161J-103Y	CARBON RESISTOR
	R528	QRD161J-472Y	CARBON RESISTOR
	R529	QRD161J-472Y	CARBON RESISTOR
	R530	QRD161J-222Y	CARBON RESISTOR
	R531	QRD161J-103Y	CARBON RESISTOR
	R532	QRD161J-102Y	CARBON RESISTOR
	R533	QRD161J-104Y	CARBON RESISTOR
	R534	QRD161J-102Y	CARBON RESISTOR
	R535	QRD161J-102Y	CARBON RESISTOR
	R536	QRD161J-102Y	CARBON RESISTOR
	R537	QRD161J-391Y	CARBON RESISTOR
	R538	QRD161J-391Y	CARBON RESISTOR
	R539	QRD161J-391Y	CARBON RESISTOR
	R541	QRD161J-331Y	CARBON RESISTOR
	R543	QRD161J-152Y	CARBON RESISTOR
	R544	QRD161J-151Y	CARBON RESISTOR
	R545	QRD161J-682Y	CARBON RESISTOR
	R546	QRD161J-155Y	CARBON RESISTOR
	R547	QRD161J-103Y	CARBON RESISTOR
	R548	QRD161J-104Y	CARBON RESISTOR
	R549	QRD161J-102Y	CARBON RESISTOR
	R550	QRD161J-104Y	CARBON RESISTOR
	R551	QRD161J-104Y	CARBON RESISTOR
	R559	QRD161J-221Y	CARBON RESISTOR
	R562	QRD149J-4R7S	CARBON RESISTOR
	R577	QRD149J-221S	CARBON RESISTOR
	R578	QRD149J-4R7S	CARBON RESISTOR
	R579	QRD161J-471Y	CARBON RESISTOR
	R580	QRD161J-102Y	CARBON RESISTOR
	R581	QRD161J-152Y	CARBON RESISTOR
	R582	QRD161J-332Y	CARBON RESISTOR
	R591	QRD161J-102Y	CARBON RESISTOR

▲	REF. NO	PARTS NO.	PARTS NAME
	R592	QRD161J-102Y	CARBON RESISTOR
	R593	QRD161J-222Y	CARBON RESISTOR
	R594	QRD161J-272Y	CARBON RESISTOR
	R595	QRD161J-103Y	CARBON RESISTOR
	R596	QRD161J-103Y	CARBON RESISTOR
	R597	QRD161J-561Y	CARBON RESISTOR
	R781	QRD161J-821Y	CARBON RESISTOR
	R782	QRD161J-821Y	CARBON RESISTOR
	R901	QRD161J-471Y	CARBON RESISTOR
	R902	QRD161J-332Y	CARBON RESISTOR
	R903	QRD161J-472Y	CARBON RESISTOR
	R904	QRD161J-103Y	CARBON RESISTOR
	R905	QRD161J-223Y	CARBON RESISTOR
	R906	QRD161J-221Y	CARBON RESISTOR
	R907	QRD161J-222Y	CARBON RESISTOR
	R908	QRD161J-332Y	CARBON RESISTOR
	R909	QRD161J-222Y	CARBON RESISTOR
	R911	QWY124-5.0Y	BUS WIRE
	R915	QRD161J-100Y	CARBON RESISTOR
	R916	QRD161J-100Y	CARBON RESISTOR
	R917	QRD161J-103Y	CARBON RESISTOR
	R918	QRD161J-103Y	CARBON RESISTOR

12 Exploded View of Mechanism Assembly



Mechanism Assembly Parts List

REF.	PARTS NO.	PARTS NAME	REMARKS	Q.TY
1	VKL2387-00A	CHASSIS BASE		1
2	REE2000X	WASHER		1
3	VKS2186-002	P.ROLLER CAM		1
4	VKL5333-00E	HEAD LEVER ASY		1
5	REE1500	E.RING		1
6	VKZ3152-00C	CAM SWITCH ASY.	CAM SWITCH	1
7	SSST2006Z	TAP.SCREW		2
8-0	VKL2375-001	DISK BASE		1
8-1	VKR4527-001	HELICAL GEAR		1
8-2	VKR3001-002	GEAR(2)		1
8-3	VKR3145-002	CAM GEAR		1
8-4	VKR4516-001	GEAR		1
8-5	VKR4517-00A	REEL DISK ASS'Y		1
8-6	VKZ4003-010	FELT		1
	VKZ4003-010	FELT	BACK TENSION	1
8-7	VKS4131-001	REEL STOPPER		1
8-8	VKS4131-001	REEL STOPPER		1
	VKR4170-001	RING		1
	VKR4170-001	RING		1
8-9	VKR4518-00A	REEL DISK ASS'Y		1
9	VKS2188-002	HEAD BASE CAM		1
10	VKH3004-068	FLANGE SHAFT(A)		1
12	MXN-13AB08A	D.C.MOTOR	FOR CAM	1
13	VKR4528-001	MOTOR GEAR	CAM MOTOR	1
14	SPSP3005Z	SCREW	CAM MOTOR	2
15	MMN-6F4RA88	D.C.MOTOR	FOR REEL	1
16	VKR3000-003	GEAR(1)	REEL MOTOR	1
17	VKS4503-00D	F.R ASS'Y		1
18	SWSP2608Z	SCREW	REEL MOTOR	1
19	SDSR2610Z	SCREW	D.BASE UNIT	1
20	VKF3149-00B	FLYWHEEL ASS'Y		2
21	VKF4122-00E	CAPSTAN METAL		2
22	VKZ4035-010	WASHER	TAKE-UP	2
23	VKW3001-241	SPRING	THRUST	2
24	VKZ4035-009	WASHER	OIL CUT	2
25	SDST2605Z	SCREW	FLYWHEEL ASS'Y	6
26	VKB3001-035	BELT		1
27	VKL3682-001	F.M.BRACKET		1
28	VKS4437-001	THRUST PLATE		2
29	SHE2L52	D.C.MOTOR	M4 CAPSTAN	1
30	VKR4384-001	MOTOR PULLEY		1
31	SSSP2604Z	SCREW	CAPSTAN MOTOR	2
32	SDST2606Z	SCREW	F.M.BRACKET	2
33	LPSP2614Z	SCREW	REEL MOTOR	1
34	VKS4901-002	CASSETTE GUIDE		2
35	SDST2606Z	SCREW	CASSETTE GUIDE	4
36	VKL5316-00E	H.BASE ARM ASSY		1
37	VKL5318-003	HEAD ARM		1
38	VKL3413-00D	P.R.LEVER ASS'Y		1
39	VKL3683-003	HEAD BASE		1
40	VKW4467-004	TORSION SPRING		1
41	KPSP2004Z	SCREW		2
42	VKS3349-00C	H.MOUNTBASE ASY	ASS'Y PARTS	1
43	VKZ4271-002	WIRE STOPPER		1

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

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REF.	PARTS NO.	PARTS NAME	REMARKS	Q.T.Y	
44	VKZ4514-001	SPECIAL SCREW		2	
45	VGH0425-536	R/P & E HEAD	H2	1	
46	VKZ4291-005	HEAD SCREW		2	
47	T41615-004	STEEL BALL	HEAD BASE	1	
48	VKY4425-002	SPRING PLATE	HEAD BASE	1	
49	VKP4169-00D	P.R.ARM ASS'Y	RIGHT	1	
50	VKW3006-130	TORSION SPRING	PINCH ROLLER	1	
51	VKW3006-057	TORSION SPRING	RETURN	1	
52	VKP4171-00D	P.R.ARM ASS'Y	LEFT	1	
53	VKW3006-131	TORSION SPRING	PINCH ROLLER	1	
54	VKW3006-143	TORSION SPRING	RETURN	1	
55	VKL5322-003	DOOR SAFETY		1	
56	VKH4418-001	FLANGE COLLAR		1	
57	SDST2606Z	SCREW		1	
58	VKL5398-001	BRACKET		1	
59	SSST2605Z	SCREW		1	
60	VKZ4001-010	WIRE CLAMP		1	
61	SPI-302	REFLECTOR		1	
62	SDST2606Z	SCREW		1	
63	SDST2606Z	SCREW		1	
64	SSSF3010Z	SCREW	MECHA	1	
65	VKY4279-001	PACK SPRING		1	
66	SDST2604Z	SCREW	PACK SPRING	2	
ICM1	DN6838A	HALL I.C	ICM1	1	
ICM3	DN6838A	HALL I.C		1	

13 Exploded of Enclosure Assembly

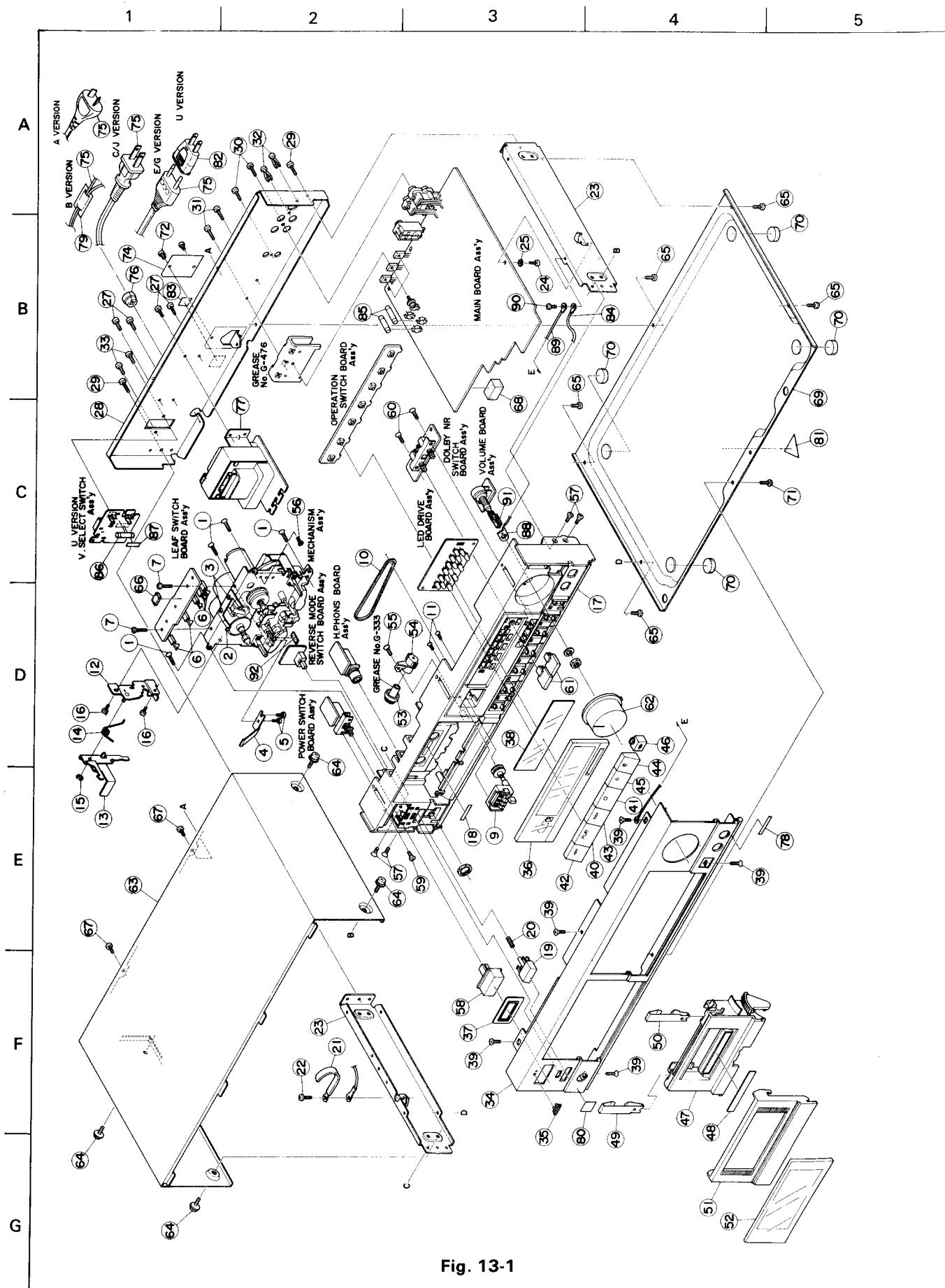


Fig. 13-1

Enclosure Assembly Parts List

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

REF.	PARTS NO.	PARTS NAME	REMARKS	Q.TY
1	SSSF3010Z	SCREW	MECHA+F.PANEL	4
2	VKY4279-001	PACK SPRING		1
3	SDST2604Z	SCREW		2
4	VKY4497-001	HOLDER SPRING	MECHA	1
5	SDST2603Z	SCREW	H.SPRING	2
6	VSH1140-002	LEAF SWITCH	MECHA	5
7	SDST2608Z	SCREW	LEAF SW PWB	2
9	VKC5189-001T	TAPE COUNTER		1
10	VKB3000-053	COUNTER BELT		1
11	SSSF2606Z	SCREW	FOR TAPE COUNTER	2
12	VKL6066-00A	EJECT BKT ASS'Y		1
13	VKM3124-001	EJECT LEVER		1
14	VKW4643-001	TORSION SPRING		1
15	REE2500	E.RING		1
16	SDST2605Z	SCREW		2
17	VJC1688-001	FRONT PANEL		1
18	VJD4024-001	REFLECTION PLAT		1
19	VXP4349-00A	PUSH BUTTON		1
20	VKW3001-063	COMP.SPRING		1
21	VKZ4001-011	WIRE HOLDER		1
22	SDST3006Z	SCREW		1
23	VKL3817-003	SIDE CHASSIS		2
24	SDST3006Z	SCREW	P.W.B	1
25	WBS3000N	WASHER		1
27	SDST3006M	SCREW	P.TRANS	4
28	VJC2266-006	REAR PANEL	TD-R411A/B/C/E/J(BK)	1
	VJC2266-007	REAR PANEL	TD-R411G(BK)	1
	VJC2266-008	REAR PANEL	TD-R411U(BK)	1
29	SDST3006M	SCREW	R.PANEL+C.CHASSIS	2
30	SDSF3008M	SCREW	P.JACK+DCS	2
31	SDSF3008M	SCREW	HEAT SINK	2
32	E48729-002	PLASTIC RIVET	TD-R411G DIN JACK	2
33	SDSP3008M	SCREW	TD-R411U V.SELECT	2
34	VJC1689-001	FRONT PLATE	EXCEPT TD-R411C/J	1
	VJC1689-002	FRONT PLATE	TD-R411C	1
35	VJC1689-002	FRONT PLATE	TD-R411J	1
36	E72968-001	JVC MARK		1
37	VJK3430-004	FINDER		1
38	E73878-002	P.BUTTON ESCUTC		1
	VJD5119-001	LED PLATE		1
39	SSSF3010Z	SCREW	F.PANEL+F.PLATE	5
40	VXP3221-007	MECHA BUTTON	PLAY	1
41	VXP3221-008	MECHA BUTTON	STOP	1
42	VXP3221-009	MECHA BUTTON	REW	1
43	VXP3221-010	MECHA BUTTON	FF	1
44	VXP3221-011	MECHA BUTTON	PAUSE	1
45	VXP3221-012	MECHA BUTTON	REC/REC MUTE	1
46	VXP4686-003	PUSH BUTTON	DIRECTION	1
47	VJT2177-001	CASSETTE HOLDER		1
48	VJD5143-001	HOLDER PLATE		1
49	VKY4382-007	CASSETTE SPRING		1
50	VKY4382-008	CASSETTE SPRING		1
51	VJT3242-001	CASSETTE LID		1
52	VJT4149-001	CASSETTE FINDER		1
53	VYH4769-002	GEAR		1

 Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	Q.TY
	54	VYH5033-002	DAMPER HOLDER		1
	55	SBSF3010Z	TAPPING SCREW		1
	56	SSSF3010Z	SCREW		1
	57	SSST3006Z	SCREW		4
	58	E73877-001	PUSH BUTTON	POWER	1
	59	SSST3008Z	SCREW	POWER	1
	60	SSSF3010Z	SCREW		2
	61	E71268-002	PUSH KNOB	DOLBY	2
	62	E304768-001	VOL. KNOB		1
	63	VJC2101-008	TOP COVER		1
	64	VKZ3001-004	SPECIAL SCREW		4
	65	SDST3006Z	SCREW		5
	66	VYSR103-022	SPACER		1
	67	SDST3006M	SCREW		2
	68	VYSH115-004	SPACER		1
	69	VJC1590-002	BOTTOM COVER		1
	70	VJF4003-002	FOOT		4
	71	SDSF3010Z	TAP. SCREW		1
	72	SDST3006M	SCREW		2
	74	VYN2216-002KA	NAME PLATE	TD-R411A(BK)	1
		VYN2216-002KA	NAME PLATE	TD-R411B(BK)	1
		VYN2216-004KA	NAME PLATE	TD-R411C(BK)	1
		VYN2216-005KA	NAME PLATE	TD-R411E(BK)	1
		VYN2216-006KA	NAME PLATE	TD-R411J(BK)	1
		VYN2216-007KA	NAME PLATE	TD-R411U(BK)	1
		VYN2216-008KA	NAME PLATE	TD-R411G(BK)	1
△	75	QMP1200-200	POWER CORD	TD-R411C/J	1
△		QMP2560-200	POWER CORD	TD-R411A	1
△		QMP3900-200	POWER CORD	TD-R411E/G/U	1
△		QMP9017-008BS	POWER CORD	TD-R411B	1
△	76	QHS3876-162	S.R.BUSHING	TD-R411A/C/E/G/J/U	1
△		QHS3876-162BS	S.R.BUSHING	TD-R411B	1
△	77	VTP54A3-051BN	POWER TRANS	TD-R411C/J	1
△		VTP54C3-061B	POWER TRANS	TD-R411A/E/G	1
△		VTP54C3-061BBS	POWER TRANS	TD-R411B	1
△		VTP54G3-041B	POWER TRANS	TD-R411U	1
△	78	TJL000420-01	CAUTION LABEL	MADE IN JAPAN 411B	1
△	79	QZL1002-003	WARNING LABEL	2-PIN P. CORD 411B	1
	80	VNC5004-001	MARK STICKER	DIN 45500 411B/E/G	1
	81	VND4113-001	G.CAUTION CARD	411B/J	1
	82	V04062-001	CONTI.PLUG	TD-R411U	1
	83	VND4037-002	F MARK	TD-R411G	1
	84	VWE350-10A2NT	WIRE WITH LUG		1
△	85	QMF51A2-R80	FUSE	F2 EXCEPT R411B	2
△		QMF51E2-R80BS	FUSE	F2 411B ONLY	2
△	86	QMF51A2-R125	FUSE	F3 411U	1
	87	VND4003-046	FUSE LABEL	411U	1
	88	TAZ336499-02	VOLUME LUG		1
	89	VWE350-08NTNT	LUG WIRE		1
	90	SDST3006Z	SCREW		1
	91	VYSA1R2-008	SPACER		1
	92	VYSR103-028	SPACER		1

14 Packing

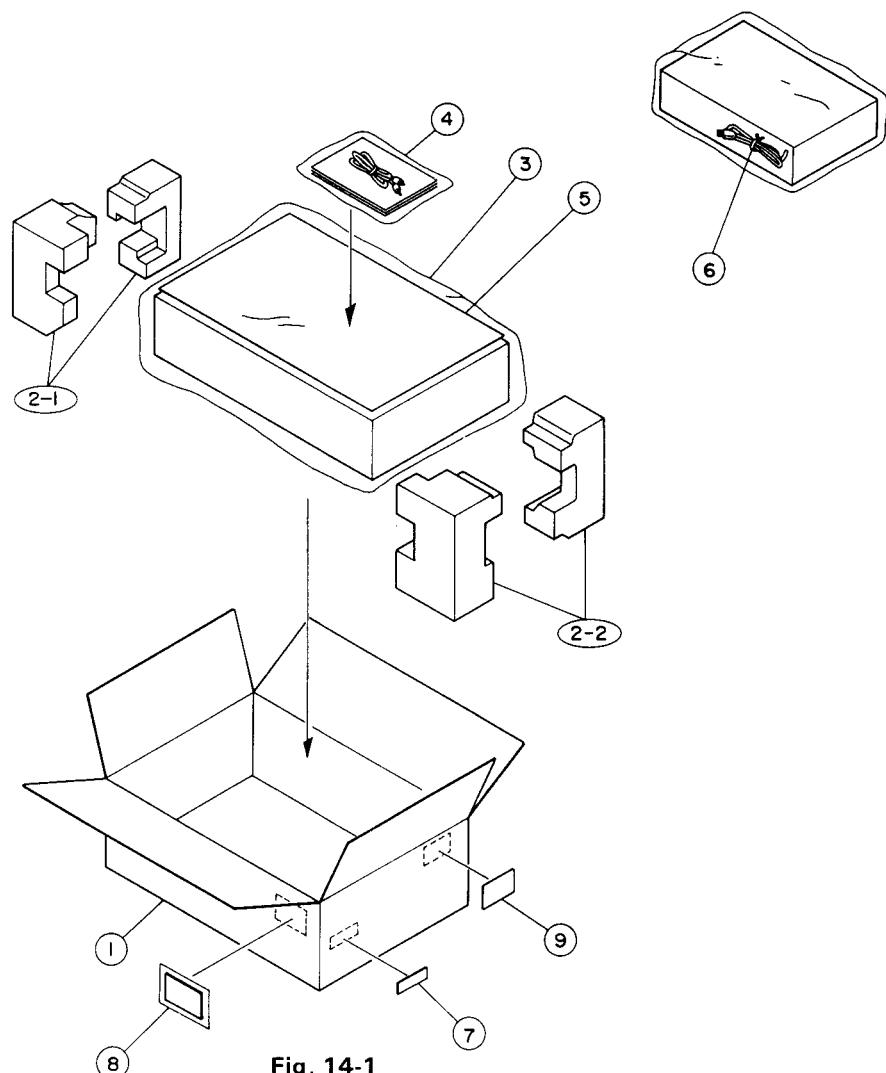


Fig. 14-1

Packing Parts List

Parts are safety assurance parts

When replacing those parts, make sure to use the specified one.

	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1 2-1 2-2 3 4	VPC2216-002 VPH3125-002 VPH3126-002 VPE3005-025 VPE3005-007	Carton Cushion Cushion Poly Bag Envelope	Left Side Right Side for Set for Instruction Book	1 1 1 1 1
	5 6 7 8	VPK4002-006 Q04141H VND4909-001 E66416-003	Sheet Wire Clamp Voltage Label Envelope	for Set TD-R411BKU TD-R411BKJ/U for Warranty Card	1 1 1 1
	9	VND3044-004 VND3044-001 VND3044-001 VND3044-003 VND3044-002	Serial Label Serial Label Serial Label Serial Label Serial Label	TD-R411BKB TD-R411BKA/U TD-R411BKC TD-R411BKE TD-R411BKJ	1 1 2 1 2
		VND3044-005	Serial Label	TD-R411BKG	1

15 Accessories

 Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

	Parts No.	Parts Name	Remarks	Q'ty
	VPM0039-00B EWP805-001 VNN2216-661 BT20025J BT20029C	Pin Cord Remote Wire Instruction Book Warranty Card Warranty Card	TD-R411BKC TD-R411BKA	1 1 1 1 1
	BT20047C BT20060 BT20064A BT20066 BT20098	Warranty Card Guarranty Card Warranty Card Warranty Card Warranty Card	TD-R411BKJ/U TD-R411BKB TD-R411BKG TD-R411BKB/G TD-R411BKA	1 1 1 1 1
	BT20071A BT20044E VNC5311-203 VNC5311-204 VNC2200-019	Service Network Safety Instruction Cautinn Card Caution Card Copylight Law Worning	TD-R411BKC TD-R411BKJ TD-R411BKU TD-R411BKU TD-R411BKA/B/C/E/U	1 1 1 1 1
	BT20046C	Special Reply Card	TD-R411BKJ/U	1



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